



Aluminum Sailing Yachts

Designer & Builder

VK35 Aluminum Performance Sailing Yacht



VK35 sails fast, has remarkable steering and is very stable. The cockpit is spacious and very ergonomic. The motor and the stainless steel folding propeller work well together providing good speed under motoring. Added to all above, the high integrity of the aluminum construction of VK35, develops a strong feeling of reliability and safety.



For the creation of the VK35, VK Yacht has used high technology design tools such as 3D modelling, Computer Fluid Dynamics, Marine Calculations, Photo realism and CAM. The design work was carried out in Sweden, the parts of VK35 were cut in The Netherlands and the final assembly and welding took place in our associated yard in Gdansk, Poland, that provides top level production facilities together with a long building experience.

The VK35 is the ideal boat for the sailor who wants a reliable aluminum racer/cruiser of high quality to enjoy in the long term.

Overall Dimensions

Length OA : 10,640m
Length WL : 10,480m
Beam OA : 3,495m
Beam WL : 2,627m
Depth : 4,186m
Free board : 1,262m
Draft : 2,171m
Displacement : 5,156 kg
Ballast : 1,621Kg

Construction (according to "ABS Guide for Building and Classing Offshore Racing Yachts")

PLATING ALUMINUM 5083 - H0 (AlMg4.5Mn H0) : bottom 6mm, side and deck 5mm, reinforced deck points 8mm and 10mm.

INTERNALS ALUMINUM 5083 - H32 (AlMg4.5Mn H321) : thickness of internals varying from 6mm to 10mm. Unifying 10mm thickness plate (instead of separate flat bars for the floors) on which the fin of the keel and the engine base are welded and the mast step is fastened.

Bow : CNC formed solid ALUMINUM 5083 - H0 (AlMg4.5Mn H0)

Fin of the keel : CNC formed solid ALUMINUM 5083 - H0 (AlMg4.5Mn H0)

Motor VETUS

Marine Diesel Engine M328S---A RPM 3600 20KW (27 HP), Mechanical remote control side mount, Low Friction push/pull cable, Water separator/fuel filter 190l/h, 10mic CE

Exhaust system VETUS including : Water lock/Muffler NLP40, Muffler MP40, Goose neck LT40, Transom exhaust connect with valve

Engine room ventilation VETUS Round air suction vent ERV110A (2 pieces)

Marine Battery Maintenance-free VETUS 12V 55A, Battery cable 35mm black neoprene

Diesel Tank VETUS 88l, Fuel filler hose 38mm iso7840, Odour filter with 16mm (5/8") hose connection, Fuel splash-stop D 38 mm-D 16 mm, Deck plate "FUEL" S/S 38mm, Air-vent nipple ss316

Waste pump, 12V duckbill/rotatable

Sail drive TechnoDrive

Seaprop 60-1: 2.38R

Propeller SEAHAWK

Slipstream 16.5x11.5 RH M16x2 3-Blade Folding for sail drive

Steering JEFA

Rudder Stock Alu6082, Ø72x1400mm

Rudder blade 0,55m²

Self-Aligning Bottom roller bearing 72mm Weld in type

Self-Aligning Top bearing with hanger 40mm

Standard Wheel 800 cover on rim

Pedestal WP800 11T 5/8

Bevel reduction gearbox 1:5

Autopilot Direct Drive 150Kgm 12V

Rigging Z Spars UK

Mast Z531 Aluminum, Total length 17805mm, over deck 14800mm

Boom Z480 Aluminum

Z Spars batten car system : 5 batten cars, 6 intermediate cars

Boom with track & car for loose footed main

Extended back stay crane

70mm spinnaker pole Aluminum

Spreader Upper : Length 1080mm Angle 20degrees

Spreader Lower : Length 1610mm Angle 20degrees

Standing rigging:

Back stay 6mm

Fore stay 7mm

Cap shrouds V2D3 7mm - 13.4/5.1degrees shroud angle

Inters D2 5mm - 18.4/7.1degrees shroud angle
Lowers D1 8mm - 16.1/6.1degrees shroud angle
Lowers V1 8mm

Sails SAIL SERVIS

Mainsail : DIMENSION POLYANT cloth AP360 + TRIRADIAL

Measurement rules

[Luff] = 14501 mm
[Leech] = 15178 mm
[Foot] = 4752.6 mm
[Head] = 250.00 mm
Area = 40.395m²

Jib : DIMENSION POLYANT cloth AP360 + TRIRADIAL

Measurement rules

[Luff] = 14400 mm
[Leech] = 13232 mm
[Foot] = 5401.2 mm
[Head] = 48.770 mm
Area = 37.353 m²

Deck equipment HARKEN

Main : 1xT3204B + 2x 6059(on T3204B) + 1x 6058(on the boom) + 2x 6091(bolted on aluminum blocks on the deck to turn the rope from the main to the winches)

Genoa : 2x G276S + 2x E2700

Spinnaker : 2x 1634 + 2x 1549

Mast deck ring : 4x 3044(high loads : main and genoa halyards)+ 6x 6065

Deck organizers : 2x 6053NP

Brakes : 2x XTS0814/3

Handles : 2x 10ASG

Tracks : 1x R32HB.2,5M + 2x R27. 2,5M

Winches : 2x 40.2STA + 4x 50.2STA

Deck equipment VETUS

Hatches PLANUS Escape hatch 424x424mm (2 pieces)

Hatches VETUS PLANUS Vent hatch 340x210mm (6 pieces)

Portholes VETUS PZ75 Aluminum with acrylic (8 pieces)

Stanchion 55cm D 25mm with 2 holes (12 pieces), Stanchion 45cm D 25mm with 1 hole (4 pieces) fitted in specially CNC formed stainless steel stanchion bases embedded in aluminum pockets welded to the deck sheer plate (8mm thickness)

Drinking water hose/m 38x47mm steel inlay

Vetus anti-slip deck-cover "happy elephant"

Cleat type TAURUS02 L=195mm (4 pieces)

Sailing instruments

NASA Clipper Wind System (complete with anemometer head and cables)

NASA Clipper Easy Log

NASA Clipper GPS Repeater and GPS unit

NASA Clipper Compass System

RAYMARINE Raystar 125 Plus GPS Sensor

VHF Antena : ALAN SHARK 3

Deck equipment Teakiplast

Synthetic teak (vinyl) cockpit floor and seats cover

Paint from INTERNATIONAL

Topside part 55sqm:

Interprime 820 13 liters

Interfill 830 240 liters
Interfill 833 31 liters
Interprime 880 28 liters
For 22 sqm:
Perfection Blue 4,4 liters
For 33 sqm:
Perfection white 6,5 liters

Underwater part 35 sqm:
Interprime 820 8 liters
Interprotect 22 liters
Trilux 33 12 liters



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